WHAT IS CLAIMED IS:

- 1. Immunomodulator which comprises an antigen-presenting- cell (APC) targeting molecule coupled to an immunomodulatory antigen, wherein said APC-targeting molecule mimics a superantigen but does not include a fully functional T-cell receptor binding site.
- 2. Immunomodulator which comprises an antigen-presenting cell (APC) targeting molecule coupled to an immunomodulatory antigen, wherein said APC-targeting molecule is a molecule which is structurally a superantigen but for a disrupted T-cell receptor binding site such that the molecule has little or no ability to activate T-cells.
- 3. An immunomodulator according to claim 1 or claim 2, wherein the T-cell receptor binding site, or at least a part thereof, of the antigen-presenting-cell (APC) targeting molecule has been modified by substitution or addition.
- 4. An immunomodulator according to claim 1 or claim 2, wherein the T-cell binding site of the antigen-presenting cell (APC) targeting molecule has been deleted.
- 5. An immunomodulator according to any one of claims 1 to 3, wherein the antigen-presenting cell (APC) targeting molecule is derived from *Staphylococcus aureus* and/or *Streptococcus pyogenes*.
- 6. An immunomodulator according to claim 5, wherein antigen-presenting cell (APC) targeting molecule is derived from SPE-C, SMEZ and/or SEA.

- 7. An immunomodulator according to claim 6, wherein the antigen-presenting cell (APC) targeting molecule is designated SPEC-Y15A as herein defined.
- 8. An immunomodulator according to claim 6 or claim 7, wherein the antigen-presenting cell (APC) targeting molecule is designated SPEC-Y15A R181Q.
- 9. An immunomodulator according to any one of claims 6 to 8, wherein the antigen-presenting cell (APC) targeting molecule is designated SPEC-Y15A.C27S.N79C.R181Q.
- 10. An immunomodulator according to any one of claims 1 to 9, wherein the antigen-presenting- cell (APC) targeting molecule is coupled reversibly to an immunomodulatory antigen.
- 11. An immunomodulator according to any one of claims 1 to 10, wherein the immunomodulatory antigen is a protein, a polypeptide and/or a peptide.
- 12. An immunomodulator according to any one of claims 1 to 10, wherein the immunomodulatory antigen is a nucleic acid.
- 13. An immunomodulator according to any one of claims 1 to 12, wherein the immunomodulatory antigen is non-immunogenic when not coupled to the antigen-presenting cell (APC) targeting molecule.
- 14. An immunomodulator according to claim any one of claims 4 or 10 to 13, wherein the antigen-presenting cell (APC) targeting molecule is SPEC (-20-90).

- 15. Pharmaceutical composition comprising an immunomodulator according to any one of claims 1 to 14 and a pharmaceutically acceptable carrier, adjuvant, excipient and/or solvent.
- 16. Vaccine comprising an immunomodulator according to any one of claims 1 to 14.
- 17. Method of therapeutic or prophylactic treatment of a disorder which requires the induction or stimulation of the immune system, comprising the administration to a subject requiring such treatment of an immunomodulator according to any one of claims 1 to 14, of a pharmaceutical composition according to claim 15 or of a vaccine according to claim 16.
- 18. A method according to claim 17, wherein the disorder is selected from the group consisting of bacterial, viral, fungal or parasitic infection, autoimmunity, allergy and/or pre-neoplastic or neoplastic transformation.
- 19. Use of an immunomodulator according to any one of claims 1 to 14 for the preparation of a medicament for the therapeutic or prophylactic treatment of a disorder which requires the induction or stimulation of the immune system.
- 20. Use according to claim 19, wherein the disorder is selected from the group consisting of bacterial, viral, fungal or parasitic infection, autoimmunity, allergy and/or pre-neoplastic or neoplastic transformation.
 - 21. Method of preparing an immunomodulator comprising the steps of:
- (a) introducing a modification and/or a deletion into the T-cell binding site of an antigen-presenting cell (APC) targeting molecule which is structurally a superantigen, and

- (b) coupling thereto and immunomodulatory antigen.
- 22. A method according to claim 21, wherein the antigen-presenting cell (APC) targeting molecule is selected from the group of SPE-C, SMEZ and SEA.
- 23. A method according to claim 21 or claim 22, wherein the antigen-presenting cell (APC) targeting molecule is SPE-C Y15A R181Q
- 24. A method according to any one of claims 21 to 23, wherein the antigen-presenting cell (APC) targeting molecule is designated SPEC-Y15A.C27S.N79C.R181Q.
- 25. A method according to claim 21 or claim 22, wherein the antigen-presenting cell (APC) targeting molecule is SPEC (-20-90).
- 26. Method of increasing antigenicity of a compound, comprising the coupling of said compound to an antigen-presenting-cell (APC) targeting molecule, wherein said APC-targeting molecule mimics a superantigen but does not include a fully functional T-cell receptor binding site.
- 27. A method according to claim 26, wherein said APC-targeting molecule is a molecule which is structurally a superantigen but for a disrupted T-cell receptor binding site such that the molecule has little or no ability to activate T-cells.
- 28. A method according to claim 26, wherein the T-cell receptor binding site, or at least a part thereof, of the antigen-presenting-cell (APC) targeting molecule has been modified by substitution or addition.

- 29. A method according to claim 26, wherein the T-cell binding site of the antigen-presenting cell (APC) targeting molecule has been deleted.
- 30. A method according to any one of claims 26 to 29, wherein the antigen-presenting cell (APC) targeting molecule is derived from *Staphylococcus aureus* and/or *Streptococcus pyogenes*.
- 31. A method according to claim 30, wherein antigen-presenting cell (APC) targeting molecule is derived from SPE-C, SMEZ and/or SEA.
- 32. A method according to claim 31, wherein the antigen-presenting cell (APC) targeting molecule is designated SPEC-Y15A as herein defined.
- 33. A method according to claim 31, wherein the antigen-presenting cell (APC) targeting molecule is designated SPEC-Y15A R181Q.
- 34. A method according to claim 31, wherein the antigen-presenting cell (APC) targeting molecule is designated SPEC-Y15A.C27S.N79C.R181Q
- 35. A method according to claim 31, wherein the antigen-presenting cell (APC) targeting molecule is SPEC (-20-90).
- 36. A method according to any one of claims 26 to 29, wherein the antigen-presenting- cell (APC) targeting molecule is coupled reversibly to said compound.
- 37. A method according to any one of claims 26 to 29, wherein the compound is selected from the group consisting of a protein, a polypeptide and/or a peptide, a carbohydrate or a nucleic acid.

38. A method according to any one of claims 26 to 29, wherein the compound is non-immunogenic when not coupled to the antigen-presenting cell (APC) targeting molecule.